This is a CONTROLLED DOCUMENT EG&G - ROCKY FLATS PLANT **ENVIRONMENTAL MANAGEMENT**

THRECKY FEATS PLANT EMD OPERATING PROCEDURES MANUAL

Manual No.:

Procedure No.: Page:

5-21000-OPS-GW

Table of Contents, Rev 5

1 of 1 10/05/92

Effective Date: Organization:

Environmental Management

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO) VOLUME II: GROUNDWATER (GW) VOLUME III: GEOTECHNICAL (GT) **VOLUME IV: SURFACE WATER (SW)** VOLUME V: ECOLOGY (EE) VOLUME VI: AIR (AP)

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| GW.01 | Water Level Measurements in Wells and Piezometers | 2 | 05/12/92 |
| GW.02 | Well Development | 2 | 05/12/92 |
| DCN 92.01 | Practice Clarification | 2 | 10/05/92 |
| GW.03 | Pump-In Borehole Packer Testing | 2 | 05/12/92 |
| GW.04 | Slug Testing | 2 | 05/12/92 |
| GW.05 | Field Measurement of Groundwater Field Parameters | 2 | 05/12/92 |
| GW.06 | Groundwater Sampling | 2 | 05/12/92 |
| DCN 92.01 | Form Update | 2 | 10/05/92 |
| GW.08 | Aquifer Pumping Tests | 1 | 05/12/92 |
| DCN 92.01 | Clarify pump testing procedures | 1 | 05/22/92 |
| DCN 92.02 | New pumping test data sheets | 1 | 05/15/92 |

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REVIEWED FOR CLASSIFICATION/UCNI

DOCUMENT CLASSIFICATION REVIEW WAIVER PER R.B. HOFFMAN, CLASSIFICATION OFFICE JUNE 11, 1991

ADMIN RECORD Oate.

A-SW-001082

This is a CONTROLLED DOCUMENT EG&G - ROCKY FLATS PLANT ENVIRONMENTAL MANAGEMENT This is a RED Stamp

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number <u>5-21000-OPS-GW.2, REV.2</u>

Page 1 of 1

| Title Well Development | | | | | | Date 8/3/92 | | ber <i>9Ձ₀01 ∲</i> DPS-GW.2 | |
|------------------------|-----------------------|--------------------------------------|---|---------|----------------|--------------------------|----------------|--------------------------------|--|
| Expires _ | 2/3/93 | Procedure Revision Required X Yes No | | | | | | | |
| Scope Lir | nitation _. | None | | | | | | | |
| Item Number | Page | Step or Paragraph | Changes (Use DCN Continuation Sheet for Additional Space) | | | | | | |
| 1 | 6 of 11 | 5.2.1.1 | Subsection 1, fifth sentence; change the sentence to read, "A well will be developed as soon as practical but during the same quarter following a WLM which indicates the well is not dry (water covering at least one foot of the screened interval)," rather than being developed in two weeks after a WLM indicates that a portion of the screened interval is covered with water. | | | | | | |
| 2 | B1,B2 | | Replace the old form titled, "Rocky Flats Plant Ground Water Well Redevelopment Log," with the new form attached. | | | | | | |
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| | | | _ | | | sponding items abo | • | so indicates | |
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| 2. Improv | ed form | • | | | | | | | |
| 11. | ` | , | | | | | | | |
| Concurre | ence | Organizati | on Req | Date | Concurrence | ce Organization | n Req | Date | |
| WUL | 7 | QAPM | х | 10/5/92 | Medialk | ky User | X | | |
| MC.B. | usson | EOM | _ | 10-2-92 | / | | | | |
| 111 | | | | | | | | | |
| Approvei/g | f/Respo | nsible Manaq | ger Date | 2/31/92 | is Posting Re | qd? If Yes, By Wha No | t Date? | Date Posted | |

ROCKY FLATS PLANT GROUND WATER WELL REDEVELOPMENT LOG

| PROJECT NAME: Ground Water Re-Development W | | | | | WELL I.D.: | | | | | | |
|--|--------------|-------------|-------------|------------------|-------------------|--------------|---------------|--------------|-----------|--|---|
| PROJECT NO.: 304902 | | | | •• | | | TEAM MEMBERS: | | | | |
| QC REVIEW BY/DATE: | | | | | | | SAMPLE | S COLL | ECTED BY: | | |
| COLINGT. | | | | | | | | | | | |
| SERIAL NUMBER | | | | CALIBRATION DATE | | | | | | | |
| PURGE ME | | TYPE USED | | RISTA | LTIC | ☐ INER | TIA | □ o | THER | | |
| ☐ BAILER ☐ TEFLON ☐ STAINLESS ☐ OTHER | | | | | | | | | | | |
| PURGING REQUIREMENTS & CALCULATIONS - DATUM: TOP OF WELL CASING (TOWC) ID = WELL CASING INSIDE DIAMETER (INCHES) = UV = UNIT CASING VOLUME (GAL/LINEAR FOOT) = WD = DEPTH TO WATER (FEET) = TD = TOTAL DEPTH (FEET) MEASURED TOTAL DEPTH (MTD) + PROBE END IC = INITIAL WATER COLUMN (FEET) = TD - WD = = IV = INITIAL WATER VOLUME (GALLONS) = UV x IC = x = CHECKED BY: | | | | | | | | | | | |
| PURGED V | OLUMES | AND RECHA | PCE | | | | | | | | |
| PURGED VOLUMES AND RECHAR VOLUME PURGED (GAL) TEMPERATURE CONDUCTANC (me/om) | | ICE pH | | | DO NITRATI | | TIME HOUR) | TUHURURTY IC | | ATER DESCRIPTION COLOR, TURBIDITY, ODOR, OIL, ETC.,) | |
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| FINAL TOTAL DEPTH FROM MARK ON NORTH SIDE OF INNER CASING | | | | | | | | | | | |
| TEAM | READING | TOTAL | PROBE | | URED TAL | AVG. MEAS. |] | | | | |
| MEMBER | | DEPTH | END | | РТН | DEPTH | SIGNA | TURF | | | |
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| REPGWWRL 06 | 5/01/92 1:5 | 9pm RLH | | · | L | | a . | | | | |

U.S. DEPARTMENT OF ENERGY

PAGE 2 OF 2 REVISION 1.3

ROCKY FLATS PLANT GROUND WATER WELL REDEVELOPMENT LOG (Continued)

COMMENTS

| VOLUME 1 | | |
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